

INPUT SET: S30481.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

3 (1) General Information:

12 (ii) TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR

14 (iii) NUMBER OF SEQUENCES: 239

16 (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: HOWELL & HAVERKAMP, L.C.
(B) STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
(C) CITY: ST. LOUIS
(D) STATE: MO
(E) COUNTRY: USA
(F) ZIP: 63105

24 (v) COMPUTER READABLE FORM:

25 (A) MEDIUM TYPE: Floppy disk
26 (B) COMPUTER: IBM PC compatible
27 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
28 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

30 (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 09/220,617
(B) FILING DATE:
(C) CLASSIFICATION:435

35 (vii) PRIOR APPLICATION DATA:

36 (A) APPLICATION NUMBER: US/08/931,858
37 (B) FILING DATE:

39 (viii) ATTORNEY/AGENT INFORMATION:

40 (A) NAME: HOLLAND, DONALD R.
41 (B) REGISTRATION NUMBER: 35,197
42 (C) REFERENCE/DOCKET NUMBER: 6029-1486

44 (ix) TELECOMMUNICATION INFORMATION:

45 (A) TELEPHONE: 314-727-5188
46 (B) TELEFAX: 314-727-6092

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**RAW SEQUENCE LISTING
PATENT APPLICATION US/09/220,617**DATE: 02/04/1999
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47
48
49 (2) INFORMATION FOR SEQ ID NO:1:
50
51 (i) SEQUENCE CHARACTERISTICS:
52 (A) LENGTH: 102 amino acids
53 (B) TYPE: amino acid
54 (C) STRANDEDNESS:
55 (D) TOPOLOGY: linear
56
57 (ii) MOLECULE TYPE: protein
58
59
60 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
61
62 Ala Arg Leu Gly Ala Arg Pro Cys Gly Leu Arg Glu Leu Glu Val Arg
63 1 5 10 15
64
65 Val Ser Glu Leu Gly Leu Gly Tyr Ala Ser Asp Glu Thr Val Leu Phe
66 20 25 30
67
68
69
70 Arg Tyr Cys Ala Gly Ala Cys Glu Ala Ala Ala Arg Val Tyr Asp Leu
71 35 40 45
72
73 Gly Leu Arg Arg Leu Arg Gln Arg Arg Leu Arg Arg Glu Arg Val
74 50 55 60
75
76 Arg Ala Gln Pro Cys Cys Arg Pro Thr Ala Tyr Glu Asp Glu Val Ser
77 65 70 75 80
78
79 Phe Leu Asp Ala His Ser Arg Tyr His Thr Val His Glu Leu Ser Ala
80 85 90 95
81
82 Arg Glu Cys Ala Cys Val
83 100
84
85
86 (2) INFORMATION FOR SEQ ID NO:2:
87
88 (i) SEQUENCE CHARACTERISTICS:
89 (A) LENGTH: 100 amino acids
90 (B) TYPE: amino acid
91 (C) STRANDEDNESS:
92 (D) TOPOLOGY: linear
93
94 (ii) MOLECULE TYPE: protein
95
96
97
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
99

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100 Pro Gly Ala Arg Pro Cys Gly Leu Arg Glu Leu Glu Val Arg Val Ser
101 1 5 10 15
102
103 Glu Leu Gly Leu Gly Tyr Thr Ser Asp Glu Thr Val Leu Phe Arg Tyr
104 20 25 30
105
106 Cys Ala Gly Ala Cys Glu Ala Ala Ile Arg Ile Tyr Asp Leu Gly Leu
107 35 40 45
108
109 Arg Arg Leu Arg Gln Arg Arg Val Arg Arg Glu Arg Ala Arg Ala
110 50 55 60
111
112 His Pro Cys Cys Arg Pro Thr Ala Tyr Glu Asp Glu Val Ser Phe Leu
113 65 70 75 80
114
115 Asp Val His Ser Arg Tyr His Thr Leu Gln Glu Leu Ser Ala Arg Glu
116 85 90 95
117
118 Cys Ala Cys Val
119 100
120
121 (2) INFORMATION FOR SEQ ID NO:3:
122
123 (i) SEQUENCE CHARACTERISTICS:
124 (A) LENGTH: 16 amino acids
125 (B) TYPE: amino acid
126 (C) STRANDEDNESS:
127 (D) TOPOLOGY: linear
128
129 (ii) MOLECULE TYPE: peptide
130
131
132 (ix) FEATURE:
133 (A) NAME/KEY: Modified-site
134 (B) LOCATION: 6
135 (D) OTHER INFORMATION: /note= "ANY AMINO ACID"
136
137
138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
139
140 Ser Gly Ala Arg Pro Xaa Gly Leu Arg Glu Leu Glu Val Ser Val Ser
141 1 5 10 15
142
143
144 (2) INFORMATION FOR SEQ ID NO:4:
145
146 (i) SEQUENCE CHARACTERISTICS:
147 (A) LENGTH: 10 amino acids
148 (B) TYPE: amino acid
149 (C) STRANDEDNESS:
150 (D) TOPOLOGY: linear
151
152 (ii) MOLECULE TYPE: peptide

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153
154
155 (ix) FEATURE:
156 (A) NAME/KEY: Modified-site
157 (B) LOCATION: 1
158 (D) OTHER INFORMATION: /note= "ANY AMINO ACID"
159
160 (ix) FEATURE:
161 (A) NAME/KEY: Modified-site
162 (B) LOCATION: 6
163 (D) OTHER INFORMATION: /note= "SERINE OR CYSTEINE"
164
165
166 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
167
168 Xaa Cys Ala Gly Ala Xaa Glu Ala Ala Val
169 1 5 10
170
171 (2) INFORMATION FOR SEQ ID NO:5:
172
173 (i) SEQUENCE CHARACTERISTICS:
174 (A) LENGTH: 23 amino acids
175 (B) TYPE: amino acid
176 (C) STRANDEDNESS:
177 (D) TOPOLOGY: linear
178
179 (ii) MOLECULE TYPE: peptide
180
181
182 (ix) FEATURE:
183 (A) NAME/KEY: Modified-site
184 (B) LOCATION: 1
185 (D) OTHER INFORMATION: /note= "ANY AMINO ACID"
186
187 (ix) FEATURE:
188 (A) NAME/KEY: Modified-site
189 (B) LOCATION: 2
190 (D) OTHER INFORMATION: /note= "ANY AMINO ACID"
191
192 (ix) FEATURE:
193 (A) NAME/KEY: Modified-site
194 (B) LOCATION: 17
195 (D) OTHER INFORMATION: /note= "GLUTAMINE OR GLUTAMIC ACID"
196
197
198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
199
200 Xaa Xaa Val Glu Ala Lys Pro Cys Cys Gly Pro Thr Ala Tyr Glu Asp
201 1 5 10 15
202
203 Xaa Val Ser Phe Leu Ser Val
204 20
205

**RAW SEQUENCE LISTING
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206 (2) INFORMATION FOR SEQ ID NO:6:

207

208 (i) SEQUENCE CHARACTERISTICS:
209 (A) LENGTH: 10 amino acids
210 (B) TYPE: amino acid
211 (C) STRANDEDNESS:
212 (D) TOPOLOGY: linear

213

214 (ii) MOLECULE TYPE: peptide

215

216

217

218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

219

220 Tyr His Thr Leu Gln Glu Leu Ser Ala Arg
221 1 5 10

222

223 (2) INFORMATION FOR SEQ ID NO:7:

224

225 (i) SEQUENCE CHARACTERISTICS:
226 (A) LENGTH: 197 amino acids
227 (B) TYPE: amino acid
228 (C) STRANDEDNESS:
229 (D) TOPOLOGY: linear

230

231 (ii) MOLECULE TYPE: protein

232

233

234

235 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

236

237 Met Gln Arg Trp Lys Ala Ala Ala Leu Ala Ser Val Leu Cys Ser Ser
238 1 5 10 15

239

240 Val Leu Ser Ile Trp Met Cys Arg Glu Gly Leu Leu Leu Ser His Arg
241 20 25 30

242

243 Leu Gly Pro Ala Leu Val Pro Leu His Arg Leu Pro Arg Thr Leu Asp
244 35 40 45

245

246 Ala Arg Ile Ala Arg Leu Ala Gln Tyr Arg Ala Leu Leu Gln Gly Ala
247 50 55 60

248

249 Pro Asp Ala Met Glu Leu Arg Glu Leu Thr Pro Trp Ala Gly Arg Pro
250 65 70 75 80

251

252 Pro Gly Pro Arg Arg Ala Gly Pro Arg Arg Arg Arg Ala Arg Ala
253 85 90 95

254

255 Arg Leu Gly Ala Arg Pro Cys Gly Leu Arg Glu Leu Glu Val Arg Val
256 100 105 110

257

258 Ser Glu Leu Gly Leu Gly Tyr Ala Ser Asp Glu Thr Val Leu Phe Arg

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**SEQUENCE VERIFICATION REPORT
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Line	Error	Original Text
33	Wrong Classification	(C) CLASSIFICATION:435